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(54) Title: HYPOCRETIN ADMINISTRATION AS A TREATMENT FOR OBESITY

(57) Abstract: The invention provides compositions and methods for treatment and prophylaxis of weight disorders. Such methods entail administering to an individual a therapeutically or prophylactically effective dosage regime of a hypocretin or an agonist thereof, and monitoring the condition of the individual responsive to the administering.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/27038

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 38/00, 38/17

US CL : 514/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 514/12

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Dialog, Pubmed, EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|--|
| X | Haynes et al. 1999. Peptides 20:1099-1105. The reference teaches administration of orexin (synonym for hypocretin) is sufficient to induce wheel running. | 1, 4 - 6, 14 - 19, 21, 25, 27 - 30, 36 |
| X | Taheri S et al. 2001. Clinical Science (London) 101(2):17p. See abstract. The reference teaches administration of orexin (synonym for hypocretin) is sufficient to induce wheel running. | 1,6,14-19,21,25,27-30, 36 |
| A | Preti 2002. Current Opinion in Investigational Drugs 3:1199-1206. The reference teaches that hypocretins and orexins are identical, and that they increase feeding and thus would be expected to increase body weight. Claims are drawn to reduction of body weight by administration of the compounds, specification does not show reduction of weight. | 1-36 |

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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